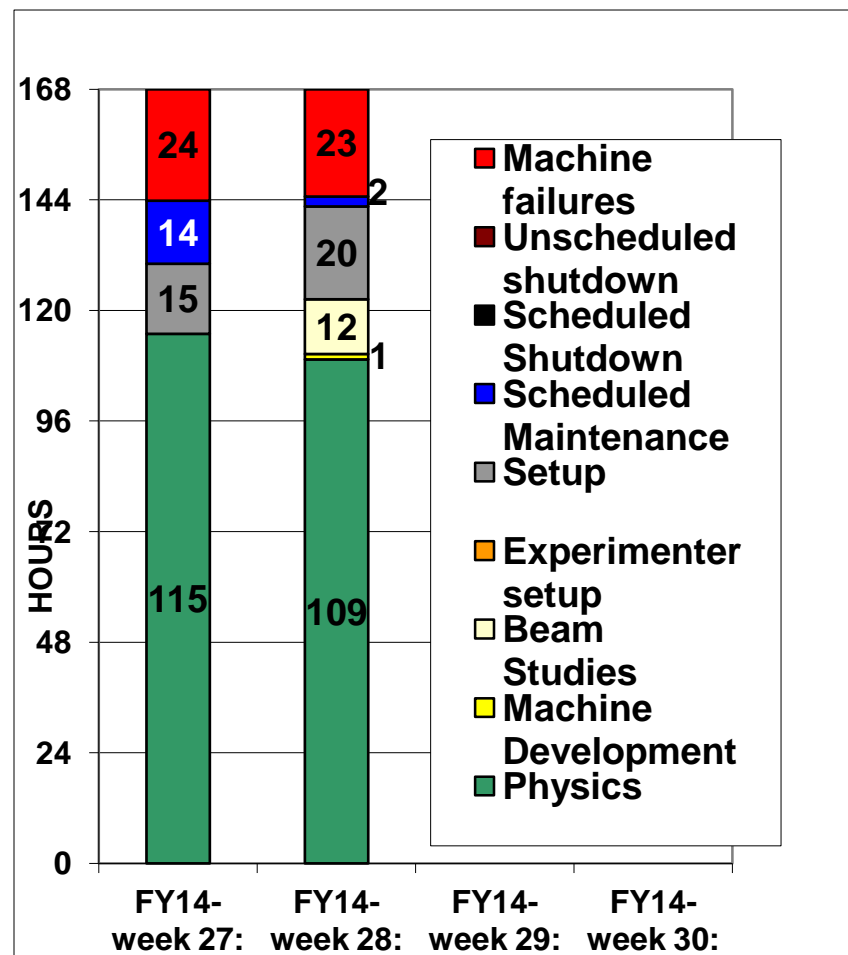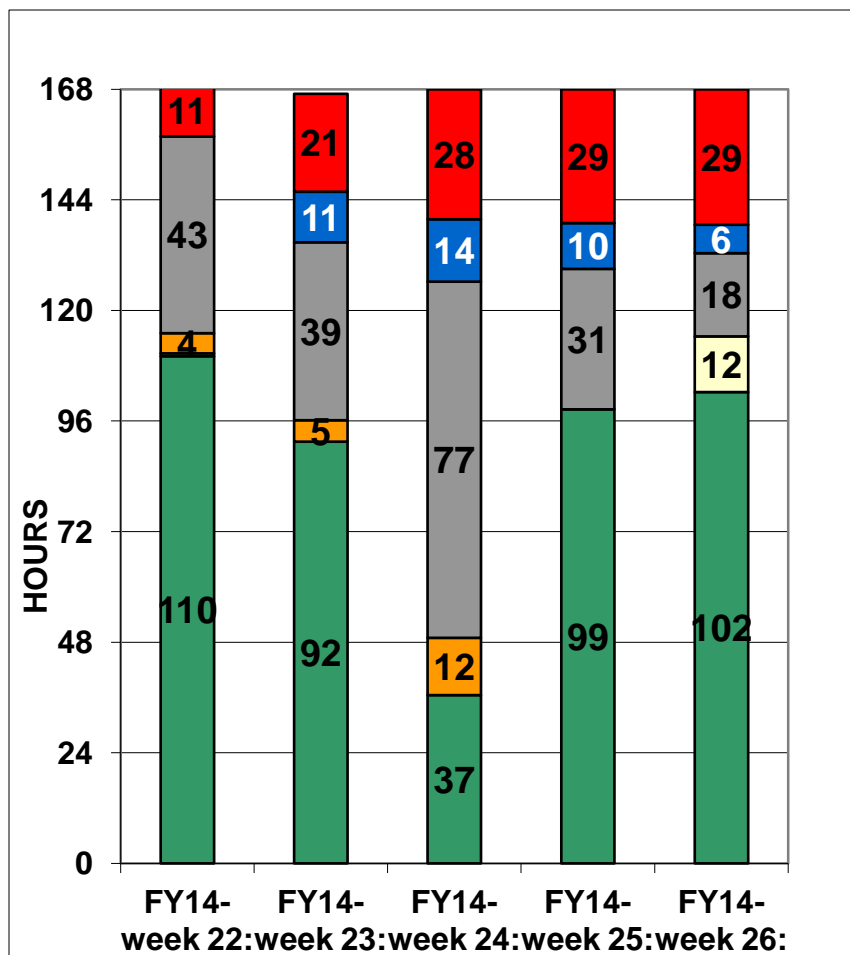# Availability March- April Run14

last week availability 85.9% previous week 84.3%

INTEGRATED FAILURES (GREATER THAN ONE HOUR) BY SYSTEM --APRIL 2014

ESHQ
Bldg 929 AGS Rf Anode Supply over heated

ES&FD_AtR
Water cooling problems XQ1 & YQ5

Inst_RHIC
Re-selected bunch for BBQ tune measurements

Controls_Hd_RHIC
Communications for AGS G10 kicker timing

PS_RHIC
Oscillations on Blue D Mains output
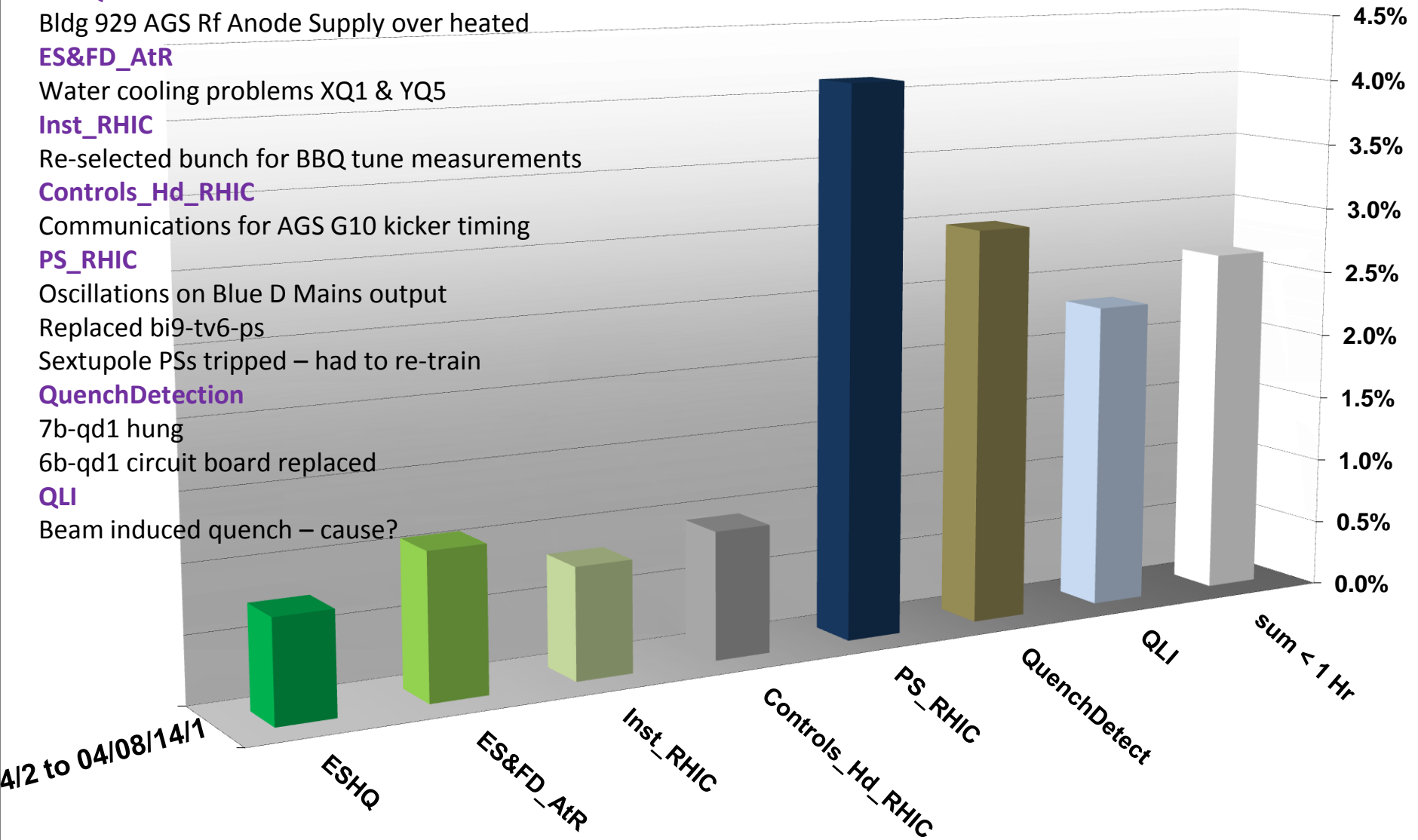Replaced bi9-tv6-ps
Sextupole PSs tripped – had to re-train

QuenchDetection
7b-qd1 hung
6b-qd1 circuit board replaced

QLI
Beam induced quench – cause?

Chart axis labels: 4/2 to 04/08/14/1, ESHQ, ES&FD_AtR, Inst_RHIC, Controls_Hd_RHIC, PS_RHIC, QuenchDetect, QLI, sum < 1 Hr

Vertical axis: 0.0%, 0.5%, 1.0%, 1.5%, 2.0%, 2.5%, 3.0%, 3.5%, 4.0%, 4.5%

INTEGRATED **FAILURES** (GREATER THAN ONE HOUR) **BY SYSTEM --APRIL 2014**

ES&FD AtR
psXarc90 magnet cooling
psUQ4 controller replaced

Controls Hd RHIC
Wfg board for bo11th16 & tv17
Cfe-5c-ps1 communication fault

PS_RHIC
y6-tv10 ps replaced
Blue Dipole Mains PS 2x
bo11-tq4 tripped

PPS_RHIC
Blue Abort kicker tripped
Yellow Abort prefire

Quench Detect
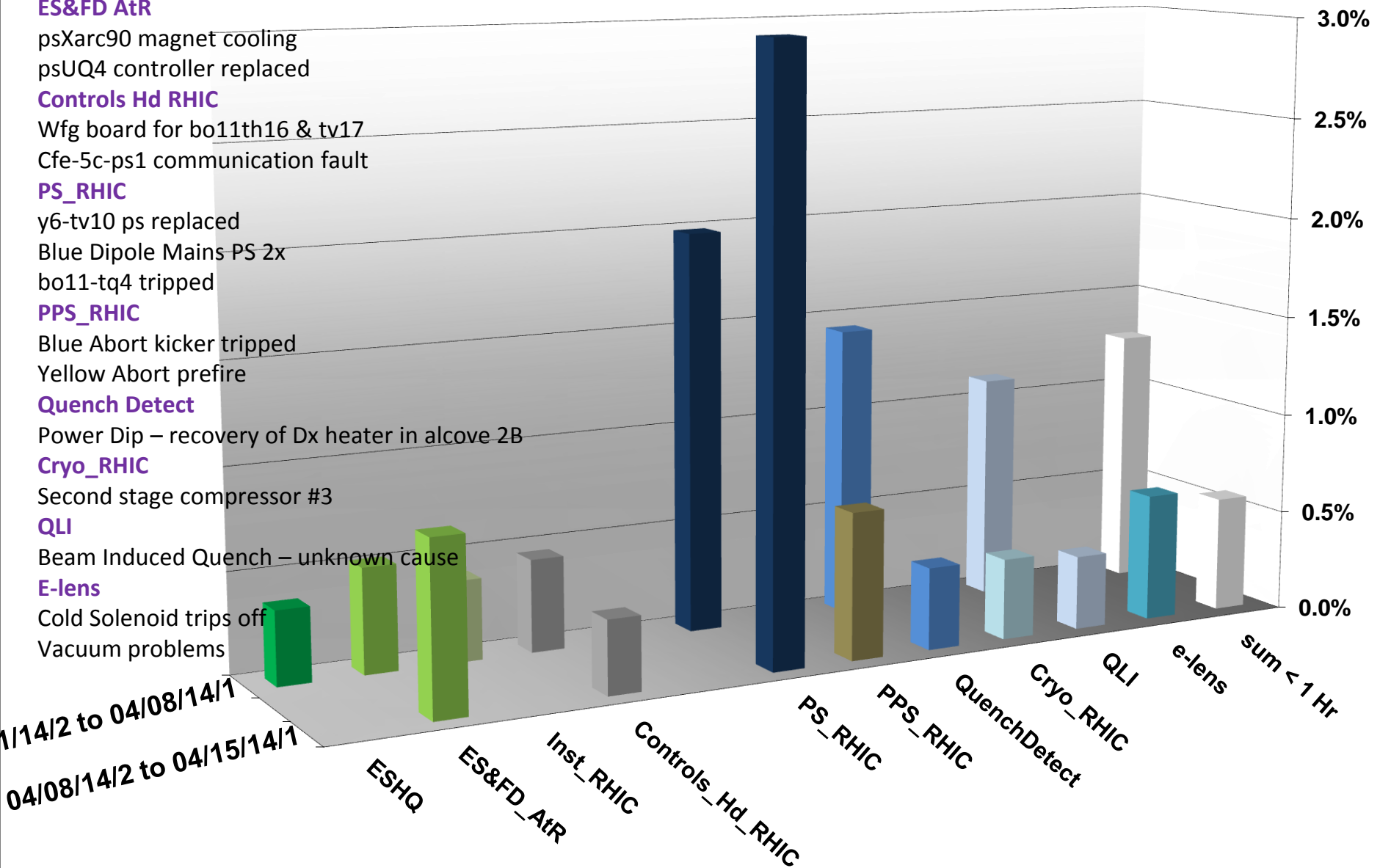Power Dip – recovery of Dx heater in alcove 2B

Cryo_RHIC
Second stage compressor #3

QLI
Beam Induced Quench – unknown cause

E-lens
Cold Solenoid trips off
Vacuum problems

3.0%
2.5%
2.0%
1.5%
1.0%
0.5%
0.0%

04/01/14/2 to 04/08/14/1
04/08/14/2 to 04/15/14/1

ESHQ
ES&FD_AtR
Inst_RHIC
Controls_Hd_RHIC
PS_RHIC
PPS_RHIC
QuenchDetect
Cryo_RHIC
QLI
e-lens
sum < 1 Hr

Run14 availability